

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

| | | | | |
|---|---|--|--|--|
| 1. AGENCY USE ONLY (Leave blank) | | 2. REPORT DATE 27 June 1995 | 3. REPORT TYPE AND DATES COVERED Final Report | |
| 4. TITLE AND SUBTITLE Mooring Reconfiguration Testing and Deployment Support | | | 5. FUNDING NUMBERS G N00014-91-J-1744 | |
| 6. AUTHOR(S) Paul Boutin | | | | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Woods Hole Oceanographic Institution Woods Hole, MA 02543 | | | 8. PERFORMING ORGANIZATION REPORT NUMBER | |
| 9. SPONSORING / MONITORING AGENCY NAME(S) AND | | | 10. SPONSORING / MONITORING PORT NUMBER | |
| 19961031 058 | | | | |
| 11. SUPPLEMENTARY NOTES DTIC QUALITY INSPECTED 2 | | | | |
| 12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited | | | 12b. DISTRIBUTION CODE | |
| 13. ABSTRACT (Maximum 200 words) Overall effort of mooring reconfiguration testing and deployment support consisted of the following: <ul style="list-style-type: none"> -Evaluation of the reverberation system -Redesign mooring configuration -Perform engineering test at Institution facilities and at NUSC Lake Seneca test facility in New York State -Participate in test cruises on the Florida Coast -Prepare and provide deployment support for the science cruise on the Vancouver coast -Materials for modificattions were purchased -Cost for travel of personnel and shipping costs of equipment was expended to as outlined in the budget. All tasks have been completeed successfully and equipment remains with University of Miami for further experiments. | | | | |
| 14. SUBJECT TERMS | | | 15. NUMBER OF PAGES 1 | |
| | | | 16. PRICE CODE | |
| 17. SECURITY CLASSIFICATION OF REPORT Unclassified | 18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified | 19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified | 20. LIMITATION OF ABSTRACT Unlimited | |

GENERAL INSTRUCTIONS FOR COMPLETING SF 298

The Report Documentation Page (RDP) is used in announcing and cataloging reports. It is important that this information be consistent with the rest of the report, particularly the cover and title page. Instructions for filling in each block of the form follow. It is important to **stay within the lines** to meet **optical scanning requirements**.

Block 1. Agency Use Only (Leave blank).

Block 2. Report Date. Full publication date including day, month, and year, if available (e.g. 1 Jan 88). Must cite at least the year.

Block 3. Type of Report and Dates Covered. State whether report is interim, final, etc. If applicable, enter inclusive report dates (e.g. 10 Jun 87 - 30 Jun 88).

Block 4. Title and Subtitle. A title is taken from the part of the report that provides the most meaningful and complete information. When a report is prepared in more than one volume, repeat the primary title, add volume number, and include subtitle for the specific volume. On classified documents enter the title classification in parentheses.

Block 5. Funding Numbers. To include contract and grant numbers; may include program element number(s), project number(s), task number(s), and work unit number(s). Use the following labels:

| | |
|----------------------|------------------------------|
| C - Contract | PR - Project |
| G - Grant | TA - Task |
| PE - Program Element | WU - Work Unit Accession No. |

Block 6. Author(s). Name(s) of person(s) responsible for writing the report, performing the research, or credited with the content of the report. If editor or compiler, this should follow the name(s).

Block 7. Performing Organization Name(s) and Address(es). Self-explanatory.

Block 8. Performing Organization Report Number. Enter the unique alphanumeric report number(s) assigned by the organization performing the report.

Block 9. Sponsoring/Monitoring Agency Name(s) and Address(es). Self-explanatory.

Block 10. Sponsoring/Monitoring Agency Report Number. (If known)

Block 11. Supplementary Notes. Enter information not included elsewhere such as: Prepared in cooperation with...; Trans. of...; To be published in.... When a report is revised, include a statement whether the new report supersedes or supplements the older report.

Block 12a. Distribution/Availability Statement. Denotes public availability or limitations. Cite any availability to the public. Enter additional limitations or special markings in all capitals (e.g. NOFORN, REL, ITAR).

DOD - See DoDD 5230.24, "Distribution Statements on Technical Documents."

DOE - See authorities.

NASA - See Handbook NHB 2200.2.

NTIS - Leave blank.

Block 12b. Distribution Code.

DOD - Leave blank.

DOE - Enter DOE distribution categories from the Standard Distribution for Unclassified Scientific and Technical Reports.

NASA - Leave blank.

NTIS - Leave blank.

Block 13. Abstract. Include a brief (*Maximum 200 words*) factual summary of the most significant information contained in the report.

Block 14. Subject Terms. Keywords or phrases identifying major subjects in the report.

Block 15. Number of Pages. Enter the total number of pages.

Block 16. Price Code. Enter appropriate price code (*NTIS only*).

Blocks 17. - 19. Security Classifications. Self-explanatory. Enter U.S. Security Classification in accordance with U.S. Security Regulations (i.e., UNCLASSIFIED). If form contains classified information, stamp classification on the top and bottom of the page.

Block 20. Limitation of Abstract. This block must be completed to assign a limitation to the abstract. Enter either UL (unlimited) or SAR (same as report). An entry in this block is necessary if the abstract is to be limited. If blank, the abstract is assumed to be unlimited.

Woods Hole Oceanographic Institution
Woods Hole, MA 02543
Phone: (508) 548-1400
Telex: 951679



June 27, 1995

Dr. Jeffrey Simmen, Code 3210A
Office of Naval Research
800 North Quincy Street
Arlington, VA 22217-5000

Ref: Final report for ONR Grant #N00014-91-J-1744 entitled "MOORING
RECONFIGURATION TESTING AND DEPLOYMENT SUPPORT", Paul R., Boutin,
Principal Investigator

Under the technical direction of Dr. Marshall Orr of ONR Code 11250A and during his tenure, Woods Hole Oceanographic Institution successfully supported the University of Miami from April 1991 to January, 1992.

Overall effort of mooring reconfiguration testing and deployment support consisted of the following:

- ▶ Evaluation of the Reverberation System
- ▶ Redesign mooring configuration
- ▶ Perform engineering test at Institution facilities and at NUSC Lake Seneca test facility in New York State
- ▶ Participate in test cruises on the Florida Coast
- ▶ Prepare and provide deployment support for the science cruise on the Vancouver coast
- ▶ Materials for modifications were purchased
- ▶ Cost for travel of personnel and shipping costs of equipment was expended to as outlined in the budget

All tasks have been completed successfully and equipment remains with University of Miami for further experiments.

Sincerely,

A handwritten signature in cursive script that reads "Paul R. Boutin". The signature is written in dark ink and is positioned below the word "Sincerely,".

Paul R. Boutin
WHOI/AOP&E

cc: Director, Naval Research Laboratory, Code 2627
Defense Technical Information Center